

In the Claims

1. (currently amended) A method of production of objects from thermosetting resin ~~according to the~~ comprising following stages:

- a- ~~preparation of~~ preparing a formulation based on thermosetting materials;
- b- ~~recovery recovering and optional storage of~~ optionally storing the prepared formulation ~~prepared in a;~~ and
- c- ~~production of~~ producing finished objects by processing of the product obtained in ~~to~~ step (b) by the processing techniques that are usually restricted to thermoplastics.

2. (currently amended) The method as claimed in claim 1, ~~characterized in that~~ wherein a formulation is prepared by extrusion, calendering or dissolution in a reactor, said formulation comprising:

- from 1 to 80 wt.% of the total weight of the formulation, of a rheology-regulating agent (I) comprising at least one block copolymer selected from the S-B-M, B-M and M-B-M block copolymers in which:
 - each block is joined to the next by a covalent bond or by an intermediate molecule joined to one of the blocks by a covalent bond and to the other block by another covalent bond,
 - M is a homopolymeric PMMA or a copolymer comprising at least 50 wt.% of methyl methacrylate,
 - B is incompatible with the thermosetting resin and with block M and its glass transition temperature T_g is below the service temperature of the thermoset,
 - S is incompatible with the thermosetting resin, block B and block M and its T_g or its melting point T_m is above the T_g of B,
 - from 20 to 99 wt.% of the total weight of the formulation, of at least one thermosetting material (II),
 - from 0 to 50 wt.% of the total weight of the formulation, of at least one thermoplastic material (III),
- wherein the formulation can ~~additionally contain~~ optionally comprise organic and inorganic

fillers ~~such as~~ selected from the group consisting of fibers, pigments, UV absorbers ~~and/or~~ and fillers for improving fire resistance.

3. (currently amended) The method as claimed in claim 2, ~~characterized in that~~ wherein in the course of stage (a) the thermosetting material (II) is mixed with the agent (I) in processing conditions with slow reaction kinetics of (II), then in a second stage in which reaction is initiated by raising the temperature or by any other means.

4. (currently amended) The method as claimed in claim 2 ~~or 3~~, ~~characterized in that~~ wherein the M blocks of the block copolymers comprise PMMA that is at least 60% syndiotactic. ~~to at least 60%.~~

5. (currently amended) The method as claimed in ~~one of the claims 2 to 4~~ claim 2, ~~characterized in that~~ wherein the M blocks of the block copolymers comprise reactive one or more monomers, advantageously selected from the group consisting of glycidyl methacrylate, tert-butyl methacrylate ~~or~~ and acrylic acid.

6. (currently amended) The method as claimed in ~~one of the claims 2 to 5~~ claim 2, ~~characterized in that~~ wherein the Tg of the B blocks of the block copolymers is below 0°C, ~~and preferably below -40°C.~~

7. (currently amended) The method as claimed in ~~one of the claims 2 to 6~~ claim 2, ~~characterized in that~~ wherein the B blocks of the block copolymers are mainly comprised of polybutadiene-1,4.

8. (currently amended) The method as claimed in ~~one of the claims 2 to 7~~ claim 2, ~~characterized in that~~ wherein the dienes of the B block are hydrogenated.

9. (currently amended) The method as claimed in ~~one of the claims 2 to 6~~ claim 2, ~~characterized in that~~ wherein the B block comprises poly(butyl acrylate).

10. (currently amended) The method as claimed in ~~one of the claims 2 to 9~~ claim 2, ~~characterized in that~~ wherein the Tg or the Tm of S is above 23°C ~~and preferably above 50°C.~~

11. (currently amended) The method as claimed in ~~one of the claims 2 to 10~~ claim 2, ~~characterized in that wherein~~ S is polystyrene.

12. (currently amended) The method as claimed in ~~one of the claims 2 to 11~~ claim 2, ~~characterized in that wherein~~ the number-average molecular weight of the block copolymers ~~can be~~ is between 10000 g/mol and 500000 g/mol.

13. (currently amended) The method as claimed in ~~one of the claims 2 to 12~~ claim 2, ~~characterized in that wherein~~ the number-average molecular weight of the block copolymers ~~can be~~ is between 20000 g/mol and 200000 g/mol.

14. (currently amended) The method as claimed in ~~one of the claims 2 to 13~~ claim 2, ~~characterized in that wherein~~ the proportion of agent (I) is from 1 to 35% for respectively 99 to 65% of (II), ~~and advantageously from 8 to 32% for respectively 92 to 68% of (II).~~

15. (currently amended) The method as claimed in ~~one of the claims 2 to 14~~ claim 2, ~~characterized in that wherein~~ the regulating agent (I) comprises at least one of the block copolymers M-B-M, S-B-M and at least one polymer selected from core-shells (A), functionalized elastomers, S-B block copolymers and ATBN or CTBN reactive rubbers.

16. (currently amended) The method as claimed in ~~one of the claims 2 to 15~~ claim 2, ~~characterized in that wherein~~ the blocks S and B of the S-B diblock ~~are those of claims 7 to 14~~ is selected from the group consisting of polybutadiene-1,4, denes that are hydrogenated, and poly(butyl acrylate), and the S of the S-B diblock is selected from the group consisting of an S having a Tg or a Tm of above 23°C, and polystyrene.

17. (currently amended) The method as claimed in claim 16, ~~characterized in that wherein~~ the S-B diblock has a number-average molecular weight between 10000 g/mol and 500000 g/mol.

18. (currently amended) The method as claimed in ~~one of the claims 2 to 17~~ claim 2, ~~characterized in that wherein~~ the impact modifier comprises at least one S-B-M block

copolymer and at least one S-B block copolymer.

19. (currently amended) The method as claimed in ~~one of the claims 2 to 18~~ claim 2, ~~characterized in that~~ wherein the impact modifier comprises at least one S-B-M block copolymer and at least one core-shell polymer (A).

20. (currently amended) The method as claimed in ~~one of the claims 2 to 19~~ claim 2, ~~characterized in that~~ wherein the impact modifier comprises at least one S-B-M block copolymer, at least one ATBN or CTBN reactive rubber and optionally an S-B block copolymer.

21. (currently amended) The method as claimed in ~~one of the claims 2 to 20~~ claim 2, ~~characterized in that~~ wherein all or part of the S-B-M triblock is replaced with an M-S-B-S-M or M-B-S-B-M pentablock.

22. (currently amended) The method as claimed in ~~one of the claims 2 to 21~~ claim 2, ~~characterized in that~~ wherein the thermosetting resin is a thermosetting epoxy resin and a hardener.

23. (currently amended) The method as claimed in ~~one of the preceding claims~~ claim 1, ~~characterized in that~~ wherein the product obtained in b is in the form of granules.

24. (currently amended) The method as claimed in claim 23, ~~characterized in that~~ wherein the granules are stored without time limitation.

25. (currently amended) The method as claimed in ~~one of the claims 1 to 22~~ claim 1, ~~characterized in that~~ wherein the product obtained in b is in the form of sheet.

26. (currently amended) The method as claimed in ~~one of the claims 1 to 22~~ claim 1, ~~characterized in that~~ wherein the product obtained in b is in the form of film.

27. (currently amended) The method as claimed in claim 27 ~~or 28~~, ~~characterized in that~~ wherein the sheet or film is stored without time limitation at a temperature below 0°C.

28. (canceled)

29. (canceled)

30. (canceled)

31. (canceled)

32. (canceled)

33. (canceled)

34. (canceled)

35. (canceled)

36. (new) A finished object, produced by the method of claim 1 comprising a tube, a plate, a sheet, or a film.

37. (new) The finished object, produced by the method of claim 1 comprising a tube for high-pressure or high-temperature applications, a plate for use in thermoforming a part for use in the automobile industry, a sheet for use in electrical or electronic applications, or a film for use in coating applications.